Task Team on Training, Competencies and Capacity Development

UN Committee of Experts on Big Data and Data Science for Official Statistics

Work programme for 2023 - Draft

The Task Team on Training, Competencies and Capacity Development (Task Team) works on understanding and proposing solutions to help build capacity for institutions that are embracing, or consider embracing, the use of big data in official statistics. The work includes projects to understand where national statistical offices currently are on their individual big data journeys, as well as projects that aim to understand all current and future development needs. The work aims to ensure NSOs around the world are increasingly equipped to work effectively with non-traditional data and to produce statistics that are authoritative, provide value and insight, and are trustworthy. The Task Team also works to support other task teams in their training programmes by providing guidance on common approaches to the development of training courses.

The Task Team was established in February 2019 and brings together 12 countries and 8 international institutions.

This work programme for 2023 builds on the work carried out in previous years.

Activities and deliverables in 2023

The Task Team on Training, Competencies and Capacity Development will continue to take on a central role in providing guidance and support for the consistency of e-learning courses developed by other task teams. The Task Team will reach out to training focal points of all other task teams of the UNCEBD.

The work of the Task Team will be organized through different sub-working groups that will deliver on the following activities and outputs:

A. **Guidance and assistance for development of online training courses**
   This subgroup has already developed a set of guidance materials (primarily for other task teams) for the development of training materials and training courses, including model curricula, addressing needs assessments based on existing tools, and requirements for course development at different levels (awareness, beginner, practitioner).
   The subgroup will continue to provide guidance, support and training for other task teams (where required) on how to set learning objectives at the different curriculum levels and sharing good practice in course design.

The subgroup will do reviews of e-learning courses before their deployment and will actively support their deployment on the LMS.

The already developed overarching Big Data Training Curriculum will be reviewed to ensure it meets emerging needs.

Leading this subgroup: ONS

B. **Updating of the Big Data Training Catalogue**

The catalogue was established in 2022 and outlines relevant training courses and other materials for big data work and provides links to the available resources. The catalogue needs to be maintained – in terms of verifying existing information and adding new courses/materials that become available. Such reviews/updates are expected twice a year (March, September). Leading this subgroup: Statistics Poland

C. **Completion of the online version of the *UN Big Data Maturity Matrix V.1.0* and planning for an extended version 2.0**

The matrix will be made available to countries in a stand-alone format for self-assessments. In these self-assessments, NSOs can identify their stage of development along detailed components/dimensions of the use of big data, such as legal framework, IT infrastructure, human resources and big data applications in the production of statistics, generating an overall picture.

Work in 2023 will focus on (a) review of underlying concepts of the maturity matrix, (b) developing a pool of resources (using the list of resources from the Big Data Training catalogue as a starting point, but adding other types of resources by identifying and communicating with additional partners), and (c) review and improve the functioning of the existing draft application, including technical issues.

A future version 2.0 could provide a higher granularity of questions/evaluation criteria and improved linking to existing training courses in the extended catalogue list.

Leading this subgroup: UNSD

D. **Managing the Learning Management System (LMS)**

The LMS is available to all task teams to host their online training programmes and uses the UN Global Platform to provide access to all countries. Courses hosted are typically developed by different task teams, but go through a review process by subgroup A of our task team before being posted.

The work of this subgroup in 2023 will focus primarily on technical support for the LMS, such as programming issues. The overall work is expected to be limited.

(Note that the LMS also hosts UNSD courses on statistics issues not related to big data.)

Leading this subgroup: UNSD

E. Provision of support for Regional hubs

This subgroup will work with the existing (and future) Regional hubs. This work will include support on different aspects, depending on the current stage of development of the hubs, such as: (a) identifying relevant objectives for the hubs, (b) establishing functioning management structures of the hubs, (c) identifying project, skill and training needs, (d) developing and prioritizing work programmes, (e) managing inclusion of a wider range of countries in their respective regions in project development work and knowledge exchange, (f) communication and knowledge exchange among the different hubs, and g) developing and delivering communication plans.

Leading this subgroup: ONS

Associated deliverables:

- Published big data e-learning courses (in cooperation with other task teams or stand-alone)
- Big Data Training Catalogue (updated)
- Online version UN Big Data Maturity Matrix V.1.0
- Concept of UN Big Data Maturity Matrix V.2.0
- Governance structures for all Hubs in place
- Webinar programmes in place for all Hubs
- Communication Plans in place for all Hubs

Working arrangements, timeline and priorities

(To be established by each subgroup and reported back to the Task Team)